

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121423\
 Data File : VW033367.D
 Acq On : 15 Dec 2023 03:57
 Operator : SY/MD
 Sample : 05802-17
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 15 06:14:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 08 21:51:12 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	184456	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	192628	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	118029	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	37050	33.600	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	67.200%
7) Chloroethane-d5	1.532	69	29768	38.745	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.480%
11) 1,1-Dichloroethene-d2	2.060	65	16068	38.304	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.600%
21) 2-Butanone-d5	3.979	46	117	0.214	ug/L	0.20
Spiked Amount	100.000	Range	40 - 130	Recovery	=	0.210%#
24) Chloroform-d	4.249	84	110520	47.229	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.460%
26) 1,2-Dichloroethane-d4	4.941	65	75972	52.218	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.440%
32) Benzene-d6	4.960	84	203401	45.149	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.300%
36) 1,2-Dichloropropane-d6	5.989	67	44393	36.648	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	73.300%
41) Toluene-d8	7.243	98	202864	47.204	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.400%
43) trans-1,3-Dichloroprop...	7.551	79	31020	40.497	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.000%
47) 2-Hexanone-d5	8.024	63	39067	80.281	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	80.280%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	76795	44.598	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.200%
66) 1,2-Dichlorobenzene-d4	11.561	152	114123	54.344	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.680%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.282	62	7798	6.114	ug/L	100
8) Chloroethane	1.285	64	3068	4.518	ug/L	87
17) trans-1,2-Dichloroethene	2.693	96	950	0.782	ug/L #	71
18) Methyl tert-butyl Ether	2.703	73	156594	42.455	ug/L	96
19) 1,1-Dichloroethane	3.111	63	29694	14.776	ug/L	97
20) cis-1,2-Dichloroethene	3.812	96	168389	130.703	ug/L	92
27) 1,2-Dichloroethane	5.050	62	1593	0.872	ug/L	97
33) Benzene	5.015	78	37197	7.620	ug/L	100
34) Trichloroethene	5.834	95	17192	11.789	ug/L	90
39) cis-1,3-Dichloropropene	6.908	75	1546	0.754	ug/L	95
44) trans-1,3-Dichloropropene	7.551	75	1577	0.761	ug/L	90
46) Tetrachloroethene	7.908	164	4217	3.364	ug/L	81
49) Dibromochloromethane	7.912	129	3227	2.064	ug/L #	11
51) Chlorobenzene	8.812	112	2513462	649.789	ug/L	97
60) Isopropylbenzene	9.870	105	5975	0.878	ug/L	94
61) 1,2,3-Trichloropropane	11.117	75	27650	18.787	ug/L #	46
64) 1,3-Dichlorobenzene	11.117	146	117748	32.386	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	375134	99.327	ug/L	98
67) 1,2-Dichlorobenzene	11.580	146	84168	23.614	ug/L	97

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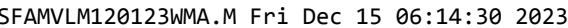
Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Dec 15 06:14:25 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120123WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 08 21:51:12 2023
Response via : Initial Calibration

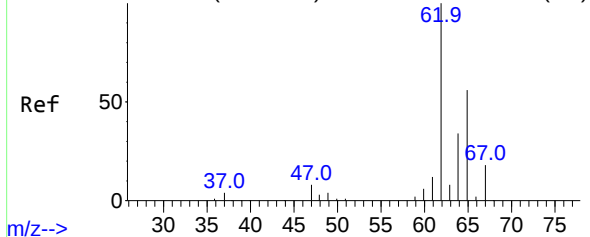
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quant Time: Dec 15 06:14:25 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120123WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 08 21:51:12 2023
Response via : Initial Calibration



Abundance Scan 76 (1.285 min): VV033348.D\data.ms (-68)



#5

Vinyl chloride

Concen: 6.114 ug/L

RT: 1.282 min Scan# 71

Delta R.T. -0.003 min

Lab File: VV033367.D

Acq: 15 Dec 2023 03:57

Instrument :

MSVOA_V

ClientSampleId :

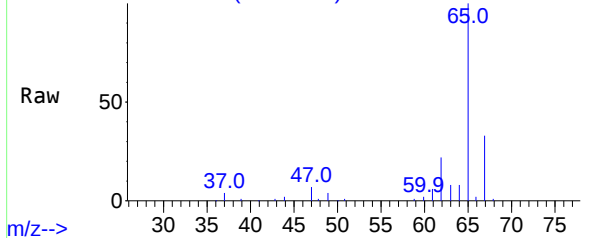
Tgt Ion: 62 Resp: 7798

Ion Ratio Lower Upper

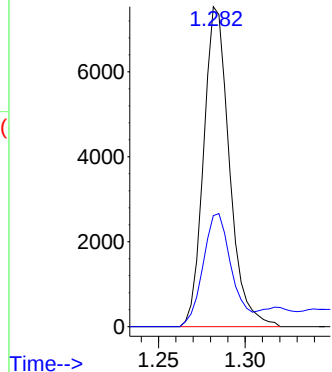
62 100

64 34.7 24.2 45.0

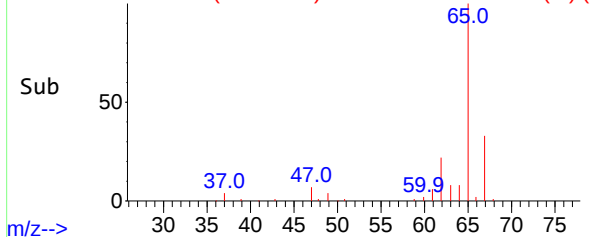
Abundance Scan 75 (1.282 min): VV033367.D\data.ms



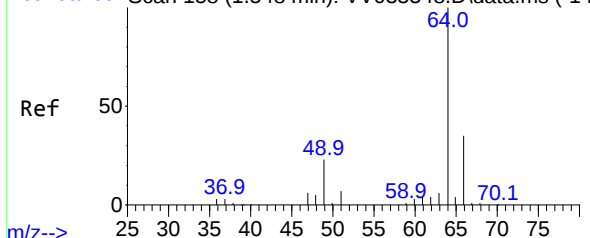
Abundance



Abundance Scan 75 (1.282 min): VV033367.D\data.ms (-1)



Abundance Scan 158 (1.548 min): VV033348.D\data.ms (-14)



#8

Chloroethane

Concen: 4.518 ug/L

RT: 1.285 min Scan# 76

Delta R.T. -0.264 min

Lab File: VV033367.D

Acq: 15 Dec 2023 03:57

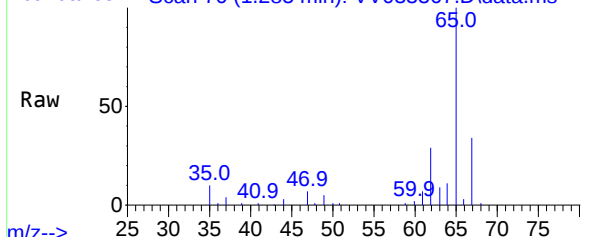
Tgt Ion: 64 Resp: 3068

Ion Ratio Lower Upper

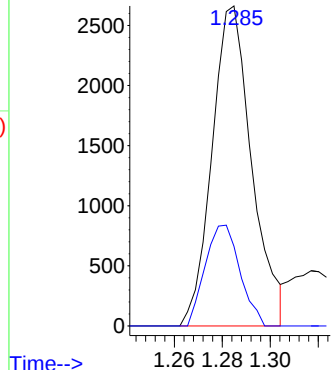
64 100

66 24.9 22.3 41.5

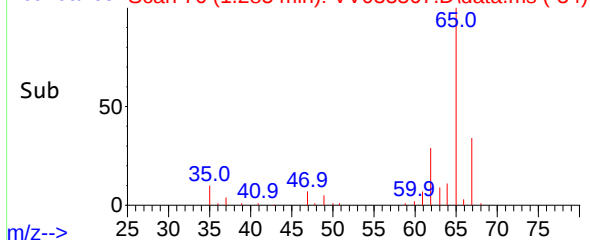
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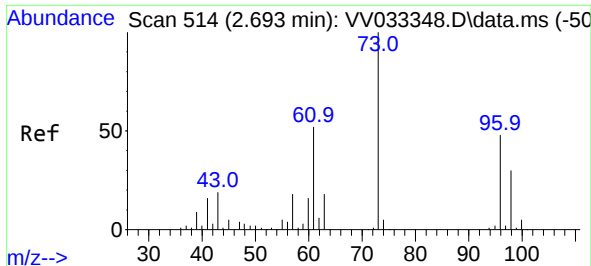


Abundance



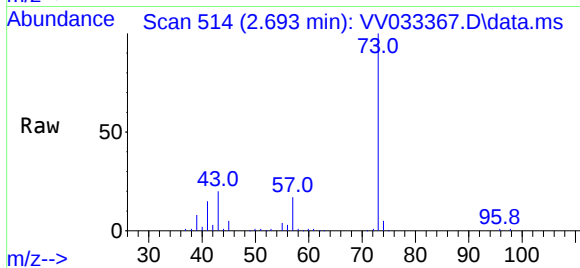
Abundance Scan 76 (1.285 min): VV033367.D\data.ms (-34)



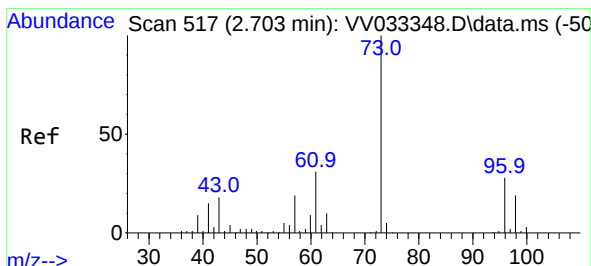
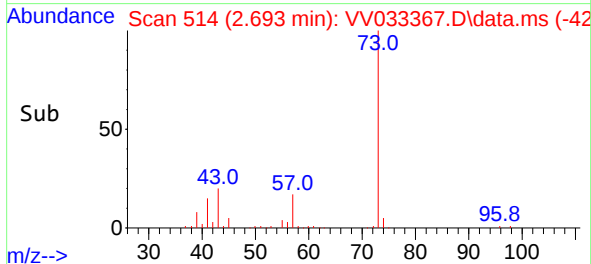
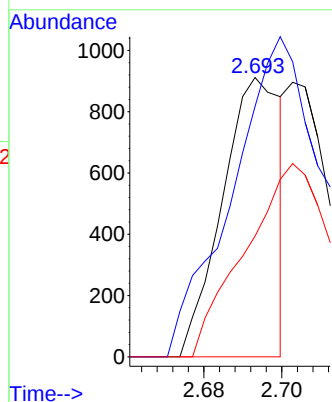


#17
trans-1,2-Dichloroethene
Concen: 0.782 ug/L
RT: 2.693 min Scan# 514
Delta R.T. 0.000 min
Lab File: VV033367.D
Acq: 15 Dec 2023 03:57

Instrument :
MSVOA_V
ClientSampleId :

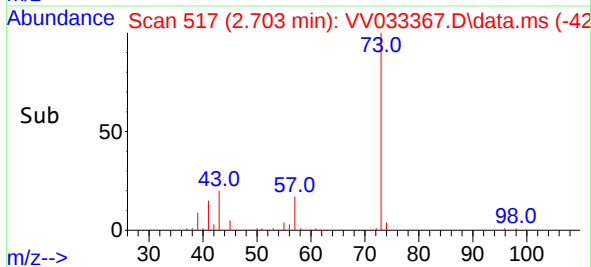
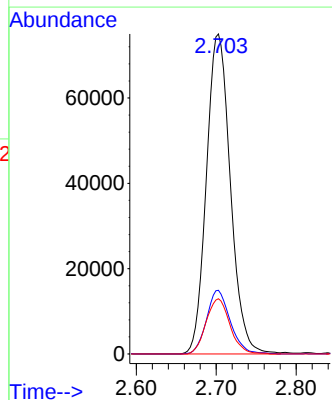
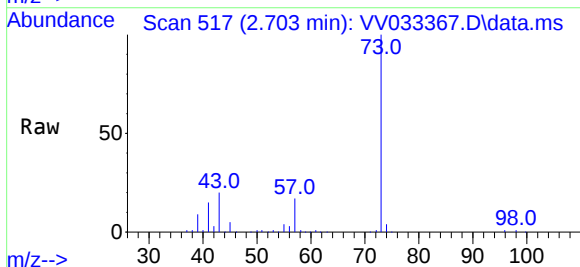


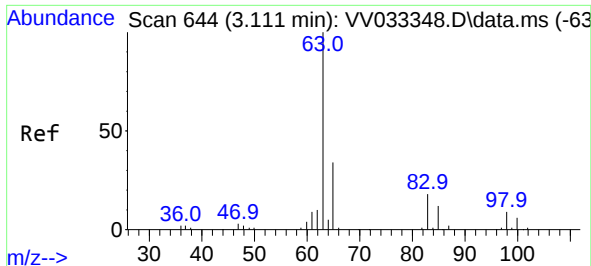
Tgt Ion: 96 Resp: 950
Ion Ratio Lower Upper
96 100
61 89.7 86.5 160.6
98 43.2 45.1 83.7#



#18
Methyl tert-butyl Ether
Concen: 42.455 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV033367.D
Acq: 15 Dec 2023 03:57

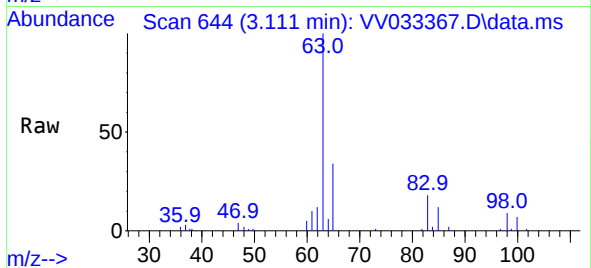
Tgt Ion: 73 Resp: 156594
Ion Ratio Lower Upper
73 100
43 19.7 15.4 23.2
57 17.2 16.1 24.1



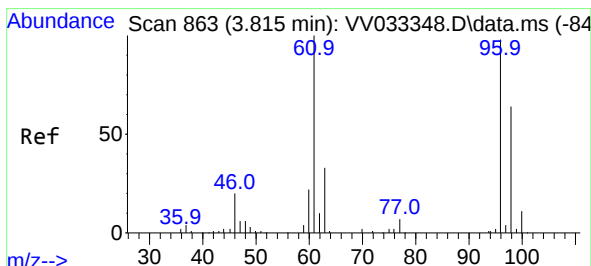
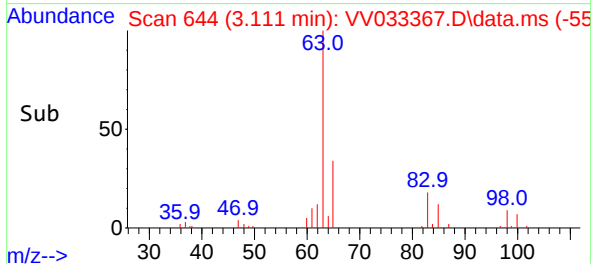
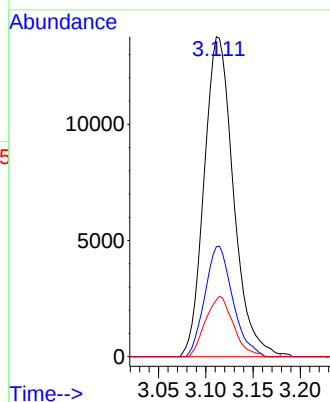


#19
1,1-Dichloroethane
Concen: 14.776 ug/L
RT: 3.111 min Scan# 64
Delta R.T. 0.003 min
Lab File: VV033367.D
Acq: 15 Dec 2023 03:57

Instrument :
MSVOA_V
ClientSampleId :

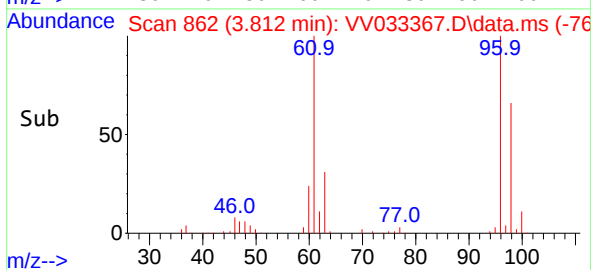
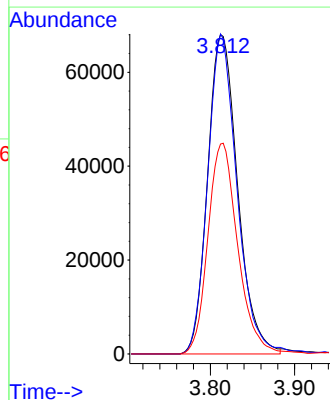
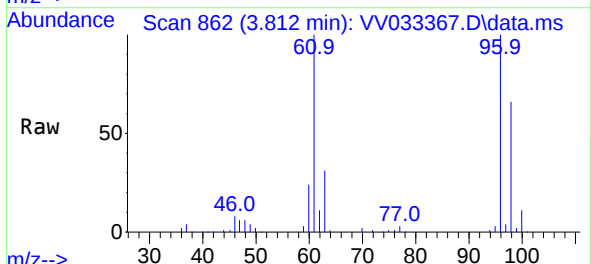


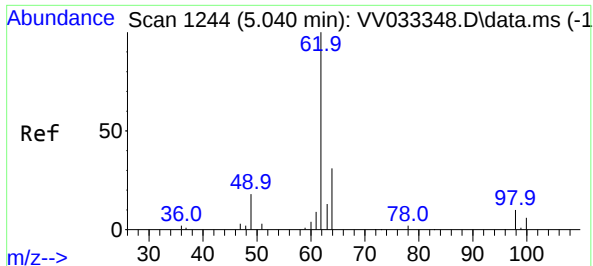
Tgt Ion: 63 Resp: 29694
Ion Ratio Lower Upper
63 100
65 34.4 23.0 42.6
83 17.7 11.4 21.2



#20
cis-1,2-Dichloroethene
Concen: 130.703 ug/L
RT: 3.812 min Scan# 862
Delta R.T. 0.000 min
Lab File: VV033367.D
Acq: 15 Dec 2023 03:57

Tgt Ion: 96 Resp: 168389
Ion Ratio Lower Upper
96 100
61 100.2 79.1 146.9
98 65.7 45.1 83.7

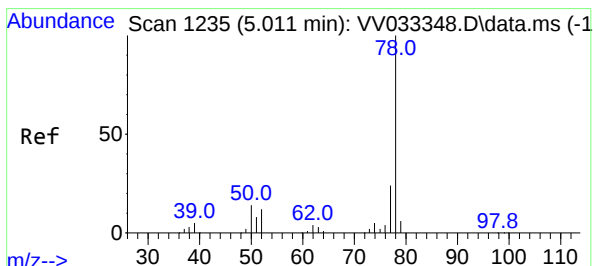
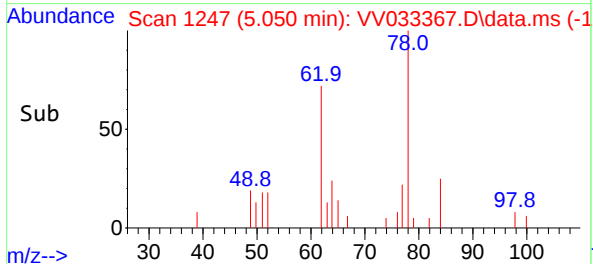
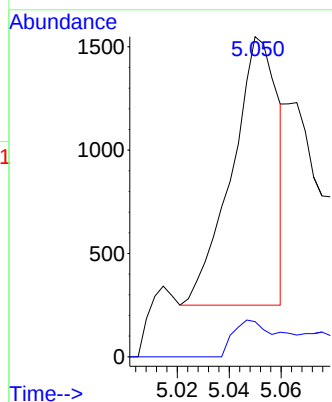
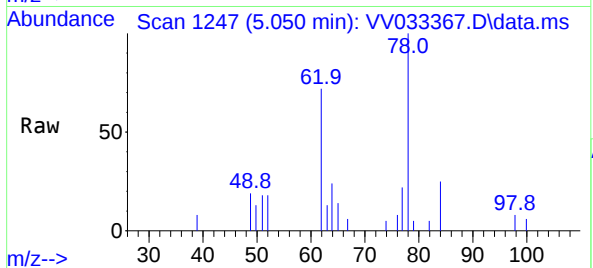




#27
1,2-Dichloroethane
Concen: 0.872 ug/L
RT: 5.050 min Scan# 11
Delta R.T. 0.013 min
Lab File: VV033367.D
Acq: 15 Dec 2023 03:57

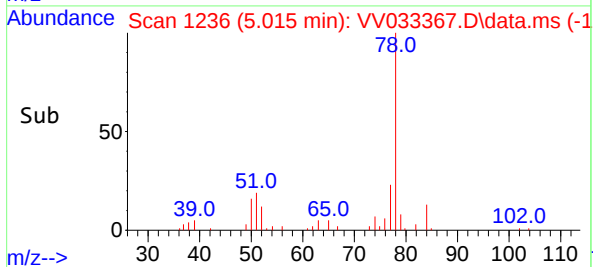
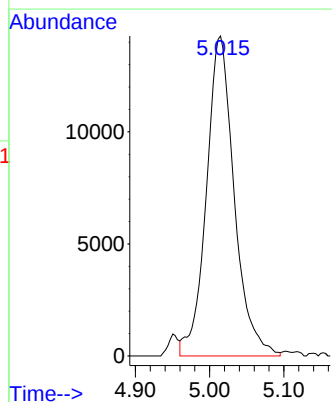
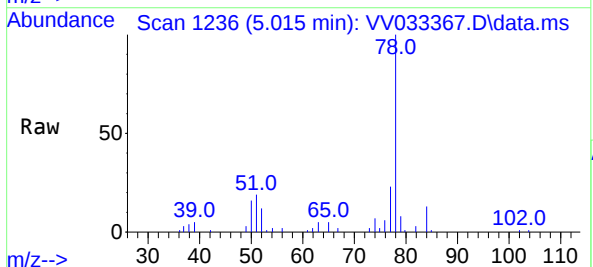
Instrument :
MSVOA_V
ClientSampleId :

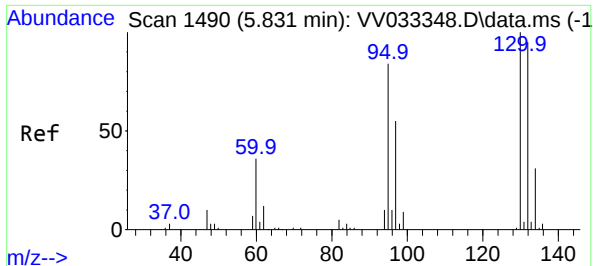
Tgt Ion: 62 Resp: 1593
Ion Ratio Lower Upper
62 100
98 11.0 7.8 11.8



#33
Benzene
Concen: 7.620 ug/L
RT: 5.015 min Scan# 1236
Delta R.T. 0.010 min
Lab File: VV033367.D
Acq: 15 Dec 2023 03:57

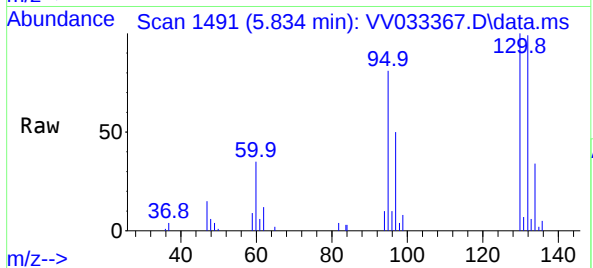
Tgt Ion: 78 Resp: 37197



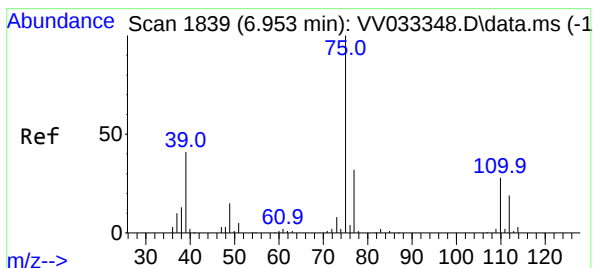
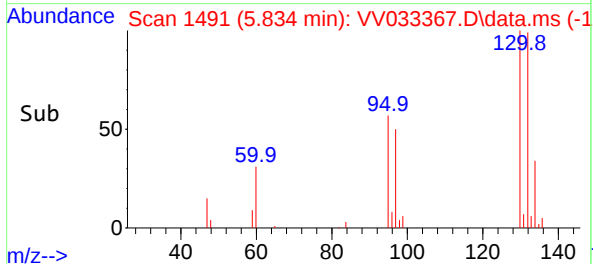
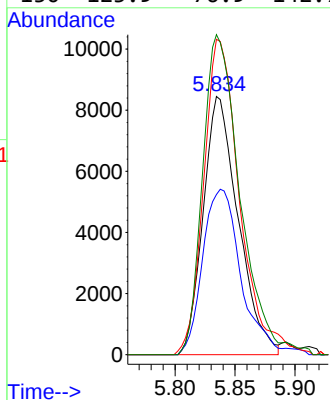


#34
Trichloroethene
Concen: 11.789 ug/L
RT: 5.834 min Scan# 1490
Delta R.T. 0.003 min
Lab File: VV033367.D
Acq: 15 Dec 2023 03:57

Instrument :
MSVOA_V
ClientSampleId :

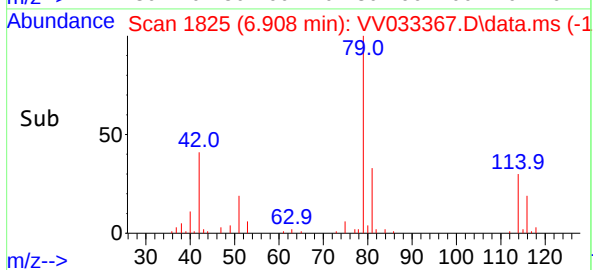
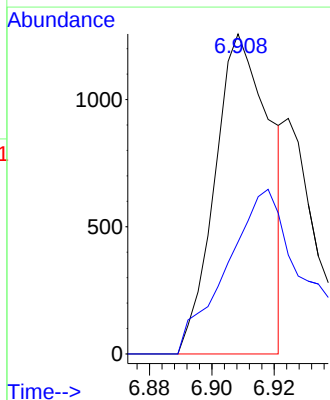
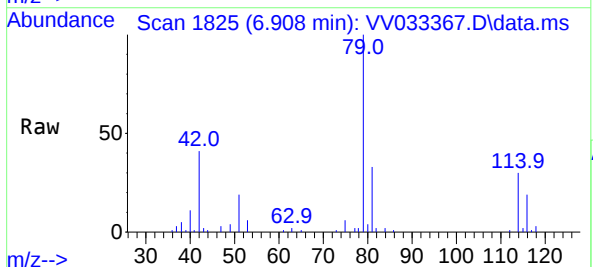


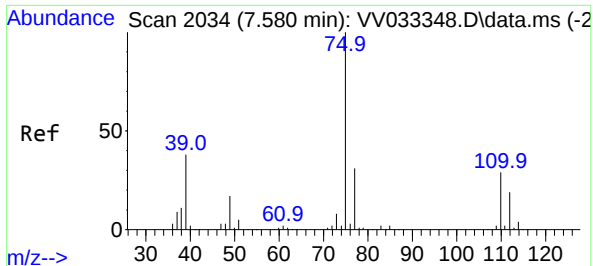
Tgt Ion: 95 Resp: 17192
Ion Ratio Lower Upper
95 100
97 62.0 45.8 85.0
132 122.1 77.4 143.8
130 123.9 76.9 142.7



#39
cis-1,3-Dichloropropene
Concen: 0.754 ug/L
RT: 6.908 min Scan# 1825
Delta R.T. -0.042 min
Lab File: VV033367.D
Acq: 15 Dec 2023 03:57

Tgt Ion: 75 Resp: 1546
Ion Ratio Lower Upper
75 100
77 35.0 22.4 41.6

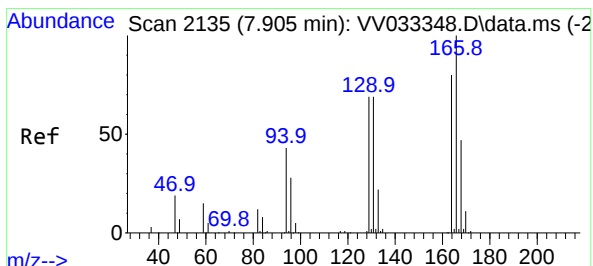
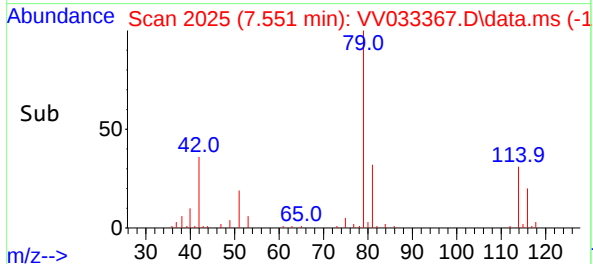
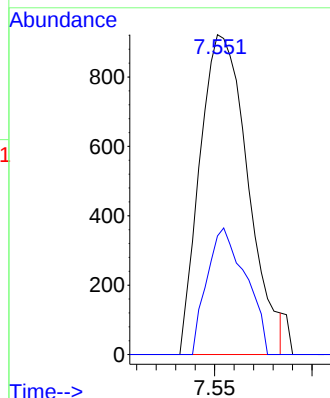
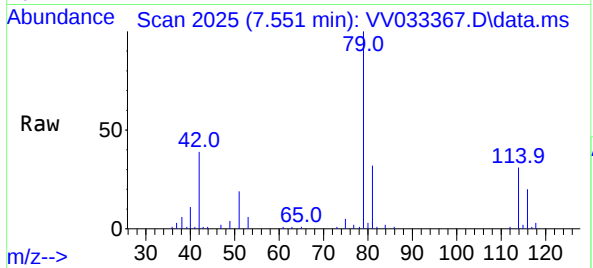




#44
trans-1,3-Dichloropropene
Concen: 0.761 ug/L
RT: 7.551 min Scan# 2034
Delta R.T. -0.029 min
Lab File: VV033367.D
Acq: 15 Dec 2023 03:57

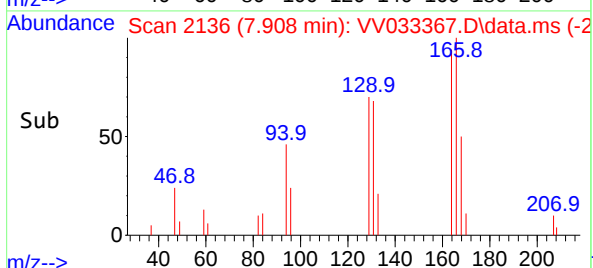
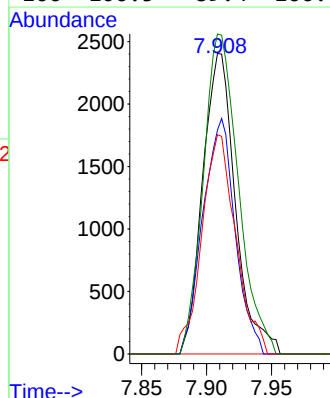
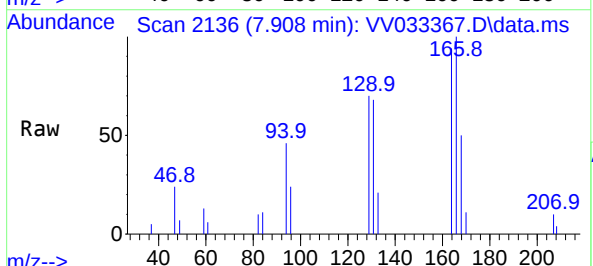
Instrument :
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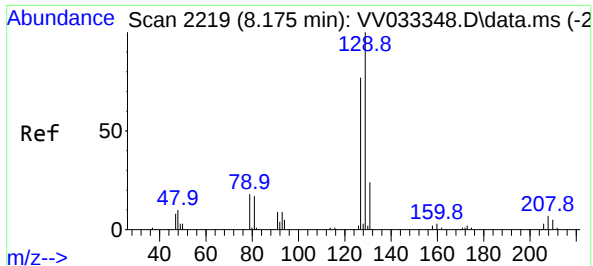
Tgt Ion: 75 Resp: 1577
Ion Ratio Lower Upper
75 100
77 37.1 22.0 41.0



#46
Tetrachloroethene
Concen: 3.364 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. 0.003 min
Lab File: VV033367.D
Acq: 15 Dec 2023 03:57

Tgt Ion:164 Resp: 4217
Ion Ratio Lower Upper
164 100
129 74.5 65.6 121.8
131 72.9 64.7 120.1
166 106.5 89.4 166.0





#49

Dibromochloromethane

Concen: 2.064 ug/L

RT: 7.912 min Scan# 2137

Delta R.T. -0.263 min

Lab File: VV033367.D

Acq: 15 Dec 2023 03:57

Instrument :

MSVOA_V

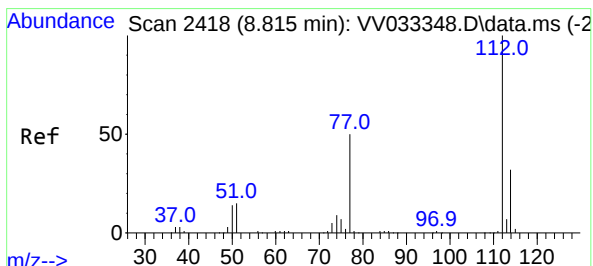
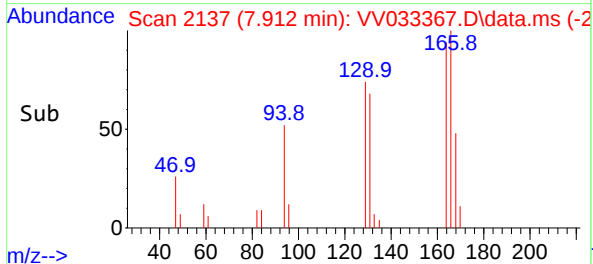
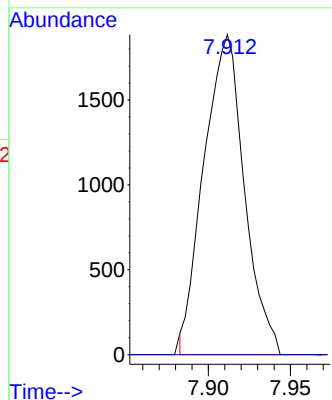
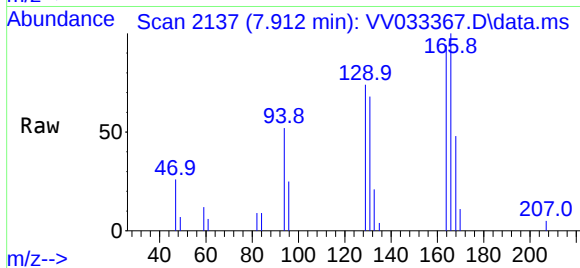
ClientSampleId :

Tgt Ion:129 Resp: 3227

Ion Ratio Lower Upper

129 100

127 0.0 54.1 100.5#



#51

Chlorobenzene

Concen: 649.789 ug/L

RT: 8.812 min Scan# 2417

Delta R.T. 0.000 min

Lab File: VV033367.D

Acq: 15 Dec 2023 03:57

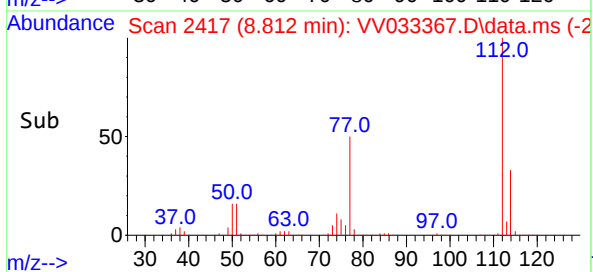
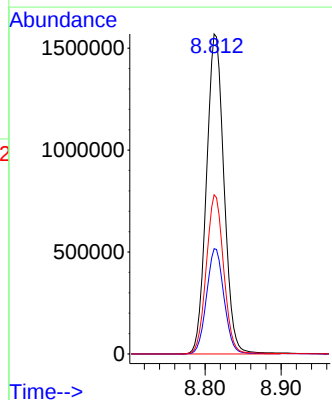
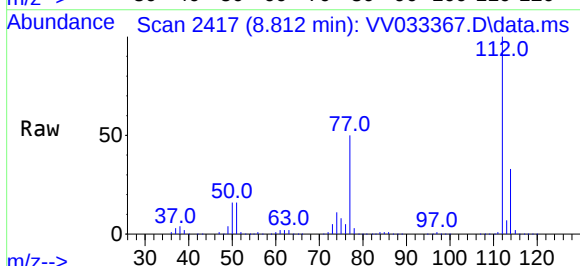
Tgt Ion:112 Resp: 2513462

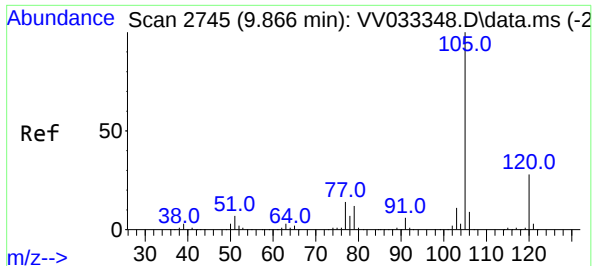
Ion Ratio Lower Upper

112 100

114 32.9 22.9 42.5

77 49.7 42.6 64.0

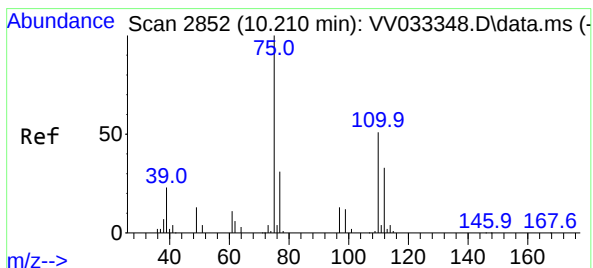
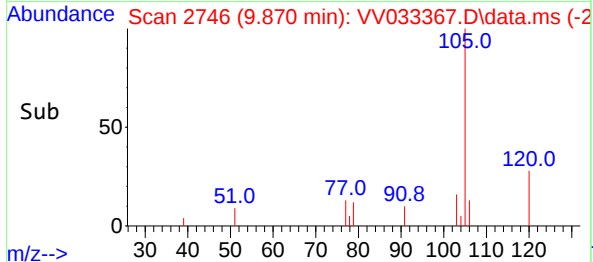
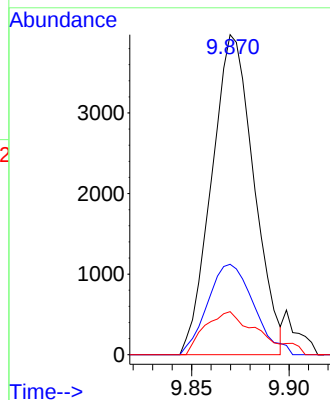
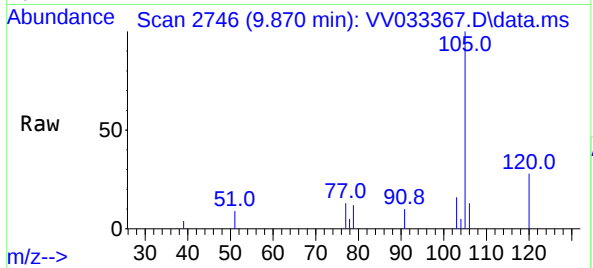




#60
Isopropylbenzene
Concen: 0.878 ug/L
RT: 9.870 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV033367.D
Acq: 15 Dec 2023 03:57

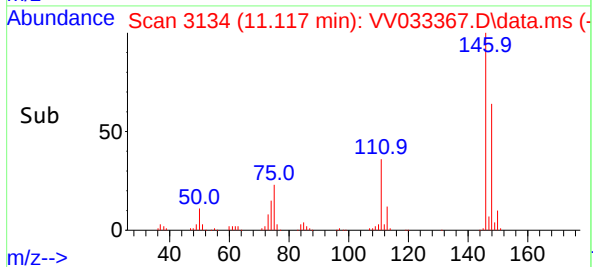
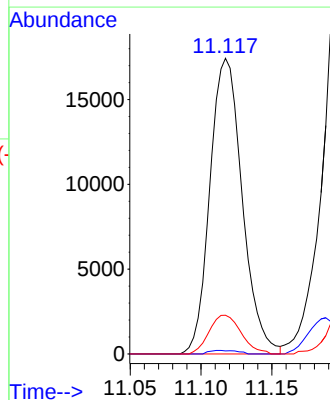
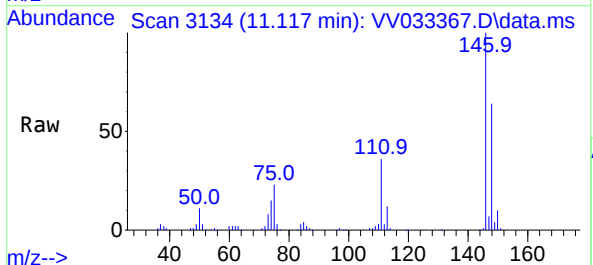
Instrument :
MSVOA_V
ClientSampleId :

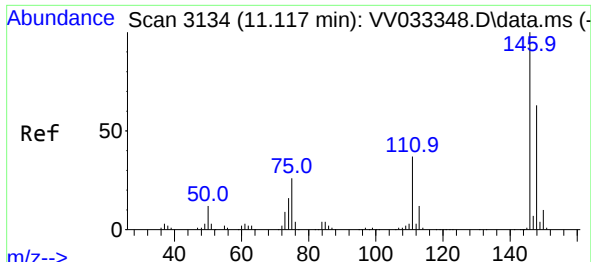
Tgt Ion:	105	Resp:	5975
Ion Ratio	Lower	Upper	
105	100		
120	30.9	21.3	31.9
77	16.0	12.0	18.0



#61
1,2,3-Trichloropropane
Concen: 18.787 ug/L
RT: 11.117 min Scan# 3134
Delta R.T. 0.910 min
Lab File: VV033367.D
Acq: 15 Dec 2023 03:57

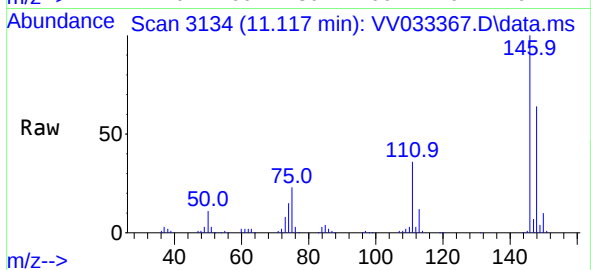
Tgt Ion:	75	Resp:	27650
Ion Ratio	Lower	Upper	
75	100		
77	0.6	27.0	40.6#
110	13.0	38.1	57.1#



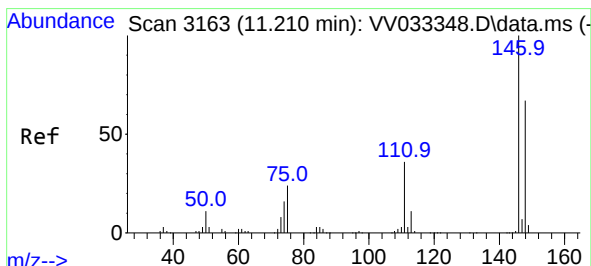
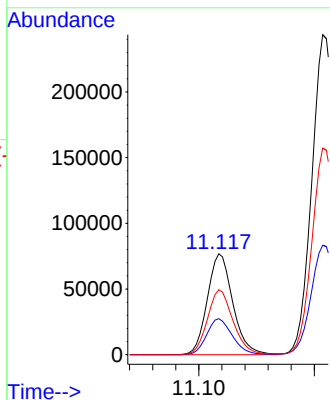
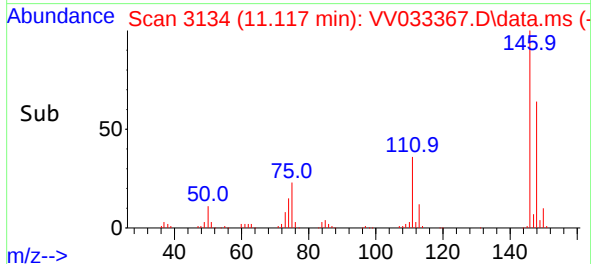


#64
1,3-Dichlorobenzene
Concen: 32.386 ug/L
RT: 11.117 min Scan# 3134
Delta R.T. 0.000 min
Lab File: VV033367.D
Acq: 15 Dec 2023 03:57

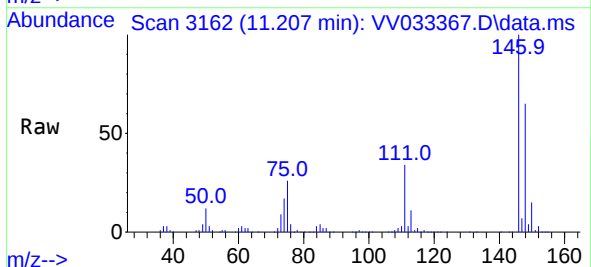
Instrument :
MSVOA_V
ClientSampleId :



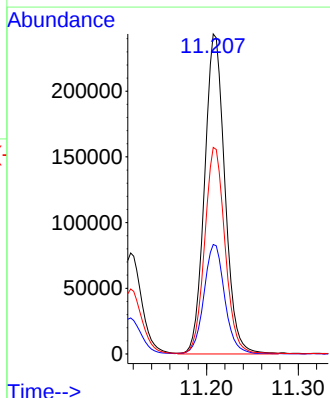
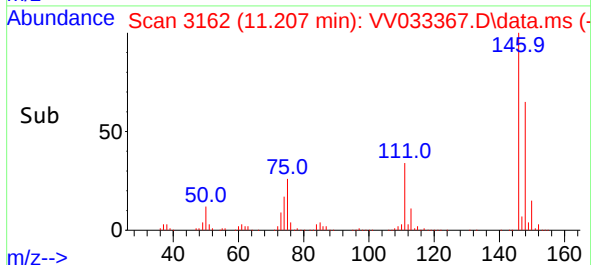
Tgt Ion:146 Resp: 117748
Ion Ratio Lower Upper
146 100
111 35.7 26.2 48.6
148 64.4 44.5 82.7



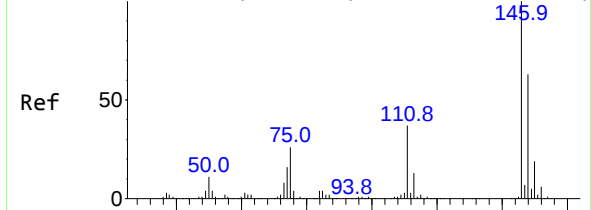
#65
1,4-Dichlorobenzene
Concen: 99.327 ug/L
RT: 11.207 min Scan# 3162
Delta R.T. 0.000 min
Lab File: VV033367.D
Acq: 15 Dec 2023 03:57



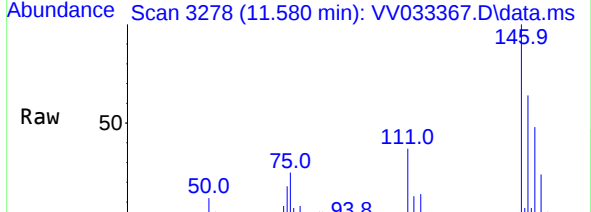
Tgt Ion:146 Resp: 375134
Ion Ratio Lower Upper
146 100
111 34.2 25.9 48.1
148 64.5 44.9 83.5



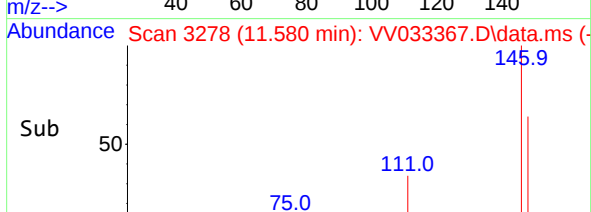
Abundance Scan 3278 (11.580 min): VV033348.D\data.ms (-



Abundance Scan 3278 (11.580 min): VV033367.D\data.ms (-



Abundance Scan 3278 (11.580 min): VV033367.D\data.ms (-



#67
1,2-Dichlorobenzene
Concen: 23.614 ug/L
RT: 11.580 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV033367.D
Acq: 15 Dec 2023 03:57

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:	146	Resp:	84168
Ion	Ratio	Lower	Upper
146	100		
111	36.6	32.4	48.6
148	64.2	51.8	77.8

